

Title:

Component, Fluid, and Material Testing

Revision:

A, 1

Revision Date:

12/07/2007

Process Description/Objective:

This process describes the testing of components, fluids, and materials to non-standardized protocols or requirements. The exact nature of the testing is agreed upon during the customer agreement review.

Process Steward(s):

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Interfacing Processes

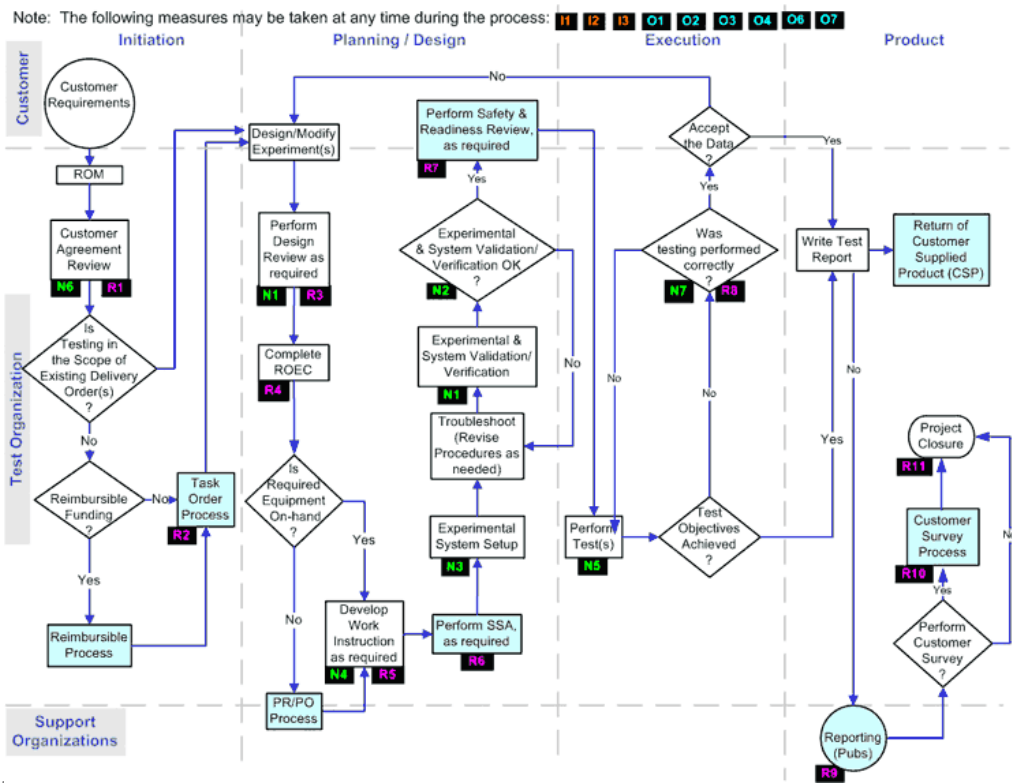
- Safety and Readiness Review
 - Reimbursable
 - Task and Delivery Order
 - Purchase Request-Purchase Order
 - Customer Surveys
 - Return Customer Supplied Product
 - Test Reports and WSTF Documentation
 - System Safety Analysis
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Input Requirements:

- Customer Requirements
 - Possibly Customer supplied Product
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Output Requirements:

- Report
- Possibly Customer Supplied Product



NOTES

Note 1

Customer Agreement Review (WSP 03-0001)

The project managers are empowered to establish the threshold at which routine customer communication becomes a complaint, and are accountable to management for the customer relationship. WSP09-0014, *Project Management* and WSI 01-SW-0001, *Customer Survey Process* discuss processing customer input in general.

Note 2

Ensure compliance with Environmental regulations. Has an ROEC been filed with the Environmental Department?

Note 3

Design Control, (WSP 04-0001).

Note 4

Develop Work Instruction may call the Test Preparation Sheet (TPS) Infrastructure Process.

Note 5

Experimental System Setup may call any of the following process:

- Calibration Infrastructure Process
- Component Services Infrastructure Process
- Fabrication Shop Infrastructure Process
- Parts Manufacturing Infrastructure Process
- Photo/Motion Picture/Video Infrastructure Process
- Waste Management Infrastructure Process

Note 6

System is under Configuration Control.

Note 7

Customer witnessing of the testing may occur.

Note 8

The answer from the **Was the testing performed correctly** question may call the DR process.

RECORDS

Record 1

Customer Agreement Review

Record 2

Task Order

Record 3

Design and Design Review Records, as required

Record 4

Record of Environmental Consideration (WSTF Form 423)

Record 5

Work Authorizing Document(s)

Record 6

SSA Records, as required

Record 7

TRR Records, as required

Record 8

Discrepancy Record, as required

Record 9

Report

Record 10

QARSO Customer Survey Files

Record 11

Project File (Type 1 Projects Only)

IN PROCESS METRICS

In Process Metric 1

Number of Active Projects

In Process Metric 2

Cost Performance Index (CPI)

In Process Metric 3

Schedule Performance Index (SPI)

OUTPUT METRICS

OutPut Metric 1

Number of Completed Projects Meeting Objectives

OutPut Metric 2

Evaluation Feedback (Number of + and - Ratings)

OutPut Metric 3

Standard Deviation of CPIs for Completed Projects

OutPut Metric 4

Evaluation Feedback (Percentage of Projects Meeting Milestones, Deliverables, and Cost).

OutPut Metric 5

Customer Satisfaction

OutPut Metric 6

Completion Form Activities Percent Readiness

OutPut Metric 7

Completion Form Activities CPI

MSM DOCUMENTS

Project Management (WSP-09-0014)

Customer Agreement Review (WSP-03-0001)

WSTF Job Instruction (WJI) Control (WSI-05-SW-0004)

Certification, Recertification, and Deactivation of WSTF Pressure Vessels and Pressurized Systems (PV/S) (WSI-09-SW-0005)

REFERENCES